

Haoran Zhu

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Summary

Currently look for full-time opportunities as Software Engineer/Full-stack Developer. Innovated and motivated engineer, with three years of experience in object-oriented design, deep knowledge of data structure and algorithms, hands-on experience on web development.

Education

New York University, New York, NY Sept. 2015 – May 2017

Master of Science in Computer Science

Beijing Normal University, Beijing, China Sept. 2010 - June 2014

Bachelor of Psychology and Economics

Technical Skills

- **Languages:** Python, JavaScript, Java, Shell, HTML5, CSS3, Ruby, SQL, PHP
- **Frameworks:** Django, Node.js, Express, React, Redux, D3, Angular
- **Database:** MongoDB, PostgreSQL, Cassandra, SQLite
- **DevOps:** Ansible, Puppet, Chef, Jenkins, Maven, Docker
- **Tools & Methods:** Git, AWS, Linux(Ubuntu), Agile, Scrum, RESTful APIs, ElasticSearch, Vim

Professional Experience

Technical Consulting & Research Inc., Weston, CT

Web Application Developer, Intern June 2016 – August 2016

- Independently designed internal service, including employee information database design, terminated employee contact form and email templates, as well as deployment to the server
- Built a web application in Node.js with Express, enabling us to contact our leaving employees
- Configured email server and created templates in Pug to send automatic emails

Projects

AB web server (Node.js, Express, Sequelize, GraphQL, Postgresql) July 2017

- Designed database schema in postgresql and modeled to objects with Sequelize.js
- Built a GraphQL web server supporting easy data access from front-end side

One More, a web application for gym rats (Python, Django, Postgresql, OAuth) May 2017 – June 2017

- Designed user information database and configured user authentication in OAuth 2.0
- Built processing payments pipeline and connected server with Stripe API
- Used Jinja2 template engine to render the configuration file supporting looping, placeholder variables

Get it DONE, a single page web application (React, Redux, Babel) March 2017 – April 2017

- Built a to-do list view with reusable components supporting organizing tasks
- Managed UI component states with Redux middleware
- Broke down a complex component into many smaller, interchangeable components

Movie Tickets (Node.js, Express, MongoDB) Jan. 2017 – Feb. 2017

- Created a Node RESTful web API serving movies data to a ticket booking app
- Wrote Express routers and controllers to interact with database per HTTP request
- Designed database schema and implemented in Mongoose to serve both web and mobile end request

Streaming Data Monitoring (JavaScript, D3.js, ElasticSearch) Nov. 2016 – Dec. 2016

- Designed visualization to monitor streaming data of articles from millions of website
- Implemented the main and auxiliary chart to map each data point to visualization
- Defined views for streaming data and conducted interactions between views